# Axiom AMI with Wireless Link

### Easily access hard-to-reach automated valves

Discover convenient remote access of your automated valves when you install the Axiom AMI with AS-Interface featuring *Bluetooth*® technology.

Devices may be remotely accessed from up to 50 meters depending on obstructions. Setting changes and solenoid control are enabled through the AS-Interface network or by the power supply jumper.

### With the new patent pending *StoneL Wireless Link* app you can remotely:

- Monitor and set open and closed switch positions
- Monitor and set the network address
- Operate solenoid valve(s) (if network- or power supply-enabled)
- Identify model and serial number (preset from factory)

- Identify valve automation components (entered by valve supplier)
- Log maintenance information
- Monitor diagnostics (valve cycle count, electronics temperature, and more).

### Set up and operation

The Axiom AMI with Wireless Link is commissioned and set up identically to the standard AS-Interface unit. In addition, when powered up with a conventional power source or by the network, it may be accessed by standard iOS devices. The Axiom is accessed with the *Bluetooth*® Smart protocol using the StoneL Wireless Link application. Sequence of operation is:

1. Download the StoneL application from the App Store onto your device (free of charge)
2. Start the application in your Apple® device
3. All energized wireless modules in range will come up
4. Push wink to positively confirm the device you have linked (Axiom LEDs will flash)
5. Touch the specific Axiom ID/tag to link with your handheld.

You can then monitor all status and diagnostic information and make necessary information changes to the free form fields at any time. Switch settings, address changes, and solenoid operation may be performed only if network- or power supply-enabled. Other information may also be added to the free form fields.



### Interfacing devices
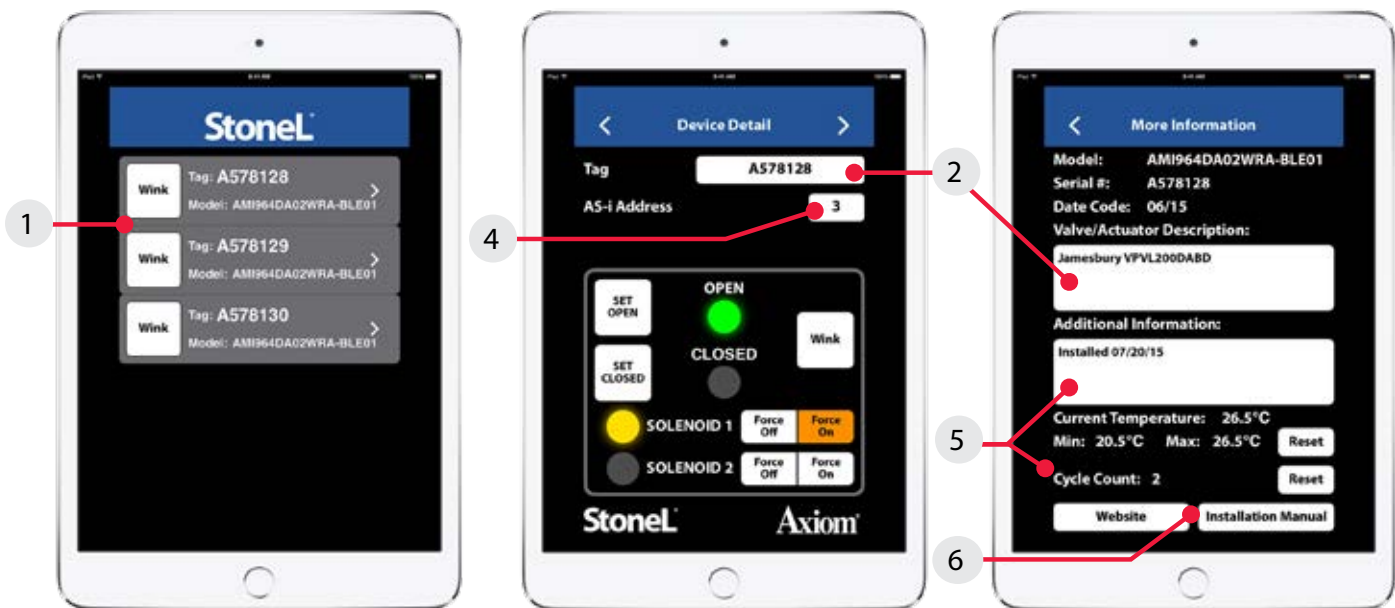
Conventional Apple® devices may be used including:

iPhone®      Version 4S and above
iPad®        Version 3.0 and above
iPad mini™   All

Contact StoneL regarding additional devices and special enclosures to make these devices suitable for use in hazardous locations.

# Benefits of Wireless Link

1. **Fast, convenient set-up** for valve automation suppliers without special equipment.

2. **Electronically enter and store** key automated valve system information including:
   - End user tag number/information
   - Valve and actuator identification as well as Axiom model and serial number (Axiom information preset from factory)
   - Maintenance log.

3. **Improve safety by easily accessing hard-to-reach automated valves** without putting plant personnel at risk.

4. **Reduce network commissioning time** by accessing the VCT address and making changes if necessary.

5. **Reduce maintenance time** by monitoring valve cycle count, storing maintenance logs, and accessing multiple valves from one location.

6. **Conveniently retrieve installation manuals** and StoneL website when connected to internet.

## Specifications

Standard specifications apply to Axiom AMI96_ _ _ _ _W_ _ models and AMI97. Additional specifications for Wireless Link are as follows:

| | |
|---|---|
| Protocol | *Bluetooth*® Smart technology; Single mode (not compatible with *Bluetooth*® Classic) |
| Transmit power | 4 dBm or ~2.5 milliwatts |
| Data rate | 1Mbit/second; effective information transmit rate ~10 Kbits/second |
| Range | Up to 100 meters (330 feet) in free space. Range is reduced by obstructions between handheld device and Wireless Link VCT. Line of sight is not necessary. |
| Registrations | FCC, IC, CE |
| CE compliance | Exceeds industrial compliance standards |
| VCT identification | VCTs in range will be displayed |
| VCT link | One device accessed at a time between client (handheld device) and server (VCT). Each server accessed by one client at a time. |
| Application | "StoneL Wireless Link" available from the App store |
| Handhelds | Compatible with iPhone® and iPad® with iOS 8 or later |

### AS-Interface with Wireless Link (AMI96_ _ _ _ _W_ _ models and AMI97)

| | |
|---|---|
| Configuration | (2) Discrete sensor inputs<br>(2) Auxiliary discrete inputs<br>(2) Power outputs (solenoids) |
| Maximum current | 170 mA |
| Auxiliary inputs | 24 VDC @ 2 mA (self-powered) |
| Output | 4 watts @ 24 VDC |
| Output, voltage | 24 VDC (+/- 10%) |
| Configuration code | AMI96  ID=F; IO=4 (4DI/2DO)<br>AMI97  ID=A; IO=7 (4DI/2DO) |
| AS-i version | 3.0 |
| Devices per network | AMI96  31<br>AMI97  62 |

**Wiring diagram**

**(96) and (97) with**

**Wireless Link (W)**

Specify solenoid option _D

Solenoid Valve — OUT1 -, OUT1 +
Solenoid Valve — OUT2 -, OUT2 +
3 WIRE RTN
AUX IN2 -
AUX IN1 -
AUX IN +
AS-i -
AS-i +